

DOE/EIA-0218(90-48)

Weekly Coal Production

EIA
Energy
Information
Administration

Production for Week Ended:
November 24, 1990



Preface

The *Weekly Coal Production (WCP)* provides weekly estimates of U.S. coal production by State. Supplementary data are usually published monthly in two supplements: the Coal Exports and Imports Supplement and the Domestic Market Supplement. This week's Coal Exports and Imports Supplement contains detailed monthly data on U.S. coal and coke exports and imports. The Domestic Market Supplement contains detailed monthly electric utility coal statistics, by Census Division and State, for generation, consumption, stocks, receipts, sulfur content, prices, and the origin and destination of coal shipments. This supplement also contains summary-level, monthly data for all coal-consuming sectors on a quarterly basis.

Preliminary coal production data are published quarterly, based on production data collected using Form EIA-6, "Coal Distribution Report." Based on 1988 data, the coal production estimation error for a quarter at the national level (i.e., the difference between the sum of the weekly estimates for a quarter and the quarterly EIA-6 preliminary data) ranges from 1 percent to 4 percent.

Final coal production data are published annually, based on the EIA-7A coal production survey. Based on 1988 data, the revision error for a quarter at the national level (i.e., the difference between the EIA-6 preliminary data and the EIA-7A final data) ranges from 0.02 percent to 0.08 percent.

This publication is prepared by the Coal Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA) to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (P.L. 93-275) as amended. *Weekly Coal Production* is intended for use by industry, press, State and local governments, and consumers. Other publications that may be of interest are the quarterly *Coal Distribution*, the *Quarterly Coal Report*, *Coal Production 1988*, and *Coal Data: A Reference*.

This publication was prepared by Wayne M. Watson and Michelle D. Bowles under the direction of Mary K. Paull and Noel C. Balthasar, Chief, Data Systems Branch. *Questions on energy statistics should be directed to the National Energy Information Center (NEIC) at 202/586-8800.*

Distribution Category UC-98

Released for printing December 3, 1990

Contents

Summary	1
Figure 1. Coal Production	2
Table 1. Coal Production	2
Table 2. Coal Production by State	3
Table 3. Coal Exports and Imports, 1981-1990	4
Table 4. Coal Exports, September 1990	5
Table 5. Average Price of Coal Exports, September 1990	6
Table 6. Steam Coal Exports, September 1990	7
Table 7. Average Price of Steam Coal Exports, September 1990	8
Table 8. Metallurgical Coal Exports, September 1990	9
Table 9. Average Price of Metallurgical Coal Exports, September 1990	10
Table 10. Coal Exports by Customs District, September 1990	11
Table 11. Coke Exports, September 1990	12
Table 12. Coal Imports, September 1990	12
Table 13. Average Price of Coal Imports, September 1990	13
Table 14. Coal Imports by Customs District, September 1990	13
Table 15. Coke Imports, September 1990	14

Summary

U.S. coal production in the week ended November 24, 1990, as estimated by the Energy Information Administration, totaled 17 million short tons, 19 percent less than in the previous week, reflecting the Thanksgiving Day holiday, and 4 percent higher than in the comparable week in 1989. Production east of the Mississippi River totaled 9 million short tons, and production west of the Mississippi River totaled 8 million short tons.

U.S. coal exports in September 1990 totaled more than 10 million short tons, the highest monthly level since August 1985. This raised the total coal exported in the first 9 months of 1990 to 80 million short tons, which was 8 percent higher than in the comparable period of 1989, reflecting the increase in steam coal exports. Canada, Japan, and Italy were the three leading destinations, together receiving more than one-third of the total. Compared with the same period in 1989, shipments to Canada and Japan dropped by 4 and 10 percent, respectively, and those to Italy were virtually unchanged.

Metallurgical coal exports in the first 9 months of 1990 totaled 48 million short tons, the same amount shipped a year earlier. They remained the mainstay of U.S. coal exports, although their share of the total dropped to 61 percent from 66 percent. Japan continued as the largest importer, accounting for 8 million short tons. This was 1 million short tons less than in the first 9 months of 1989, due to competition from Australian and Canadian coal. Italy, the second-largest destination, received 5 million short tons, the same as last year. Other large importers of U.S. metallurgical coal were Belgium and Luxembourg, Brazil, and France. Total shipments to Europe were nearly 3 million short tons higher than in the first 9 months of 1989, with the Netherlands, Romania, and Turkey accounting for most of the increase. Ship-

ments to Canada were down by more than 1 million short tons because of a decline in steel production.

Steam coal exports in the first 9 months of 1990 totaled 31 million short tons, about 6 million short tons more than in the corresponding period of 1989. Canada, the principal destination, received 8 million short tons, an increase of 12 percent as compared with a year earlier. This rise was attributed to several factors: stock build-up to satisfy anticipated growth in electricity demand from Ontario Hydro, Canada's major electric utility; outages at that company's nuclear power plants due to maintenance; and purchases of low-sulfur coal from the West for power plant tests. Shipments to Europe were 4 million short tons higher than in the first 9 months of 1989, with more than half of the increase due to larger deliveries to Belgium and Luxembourg and the Netherlands. The amount shipped to Italy, the leading European destination, was relatively unchanged. Shipments to Taiwan, the leading Asian destination, were about one-third larger.

U.S. coal exports from January through September 1990 were valued at more than \$3 billion, based on an average price of \$42.61 per short ton. About half of the coal exported during the period was through the port of Norfolk, Virginia.

About 194 thousand short tons of coal were imported into the United States in September 1990. This brought total coal imports for the first 9 months of 1990 to about 2 million short tons, 10 percent less than in the comparable period of 1989. Colombia was the leading source of imported coal, accounting for more than half of the total. Canada ranked second, supplying more than one-third of the coal imported. Based on a 9-month average price of \$33.77 per short ton, total coal imports were valued at \$65 million.

Figure 1. Coal Production

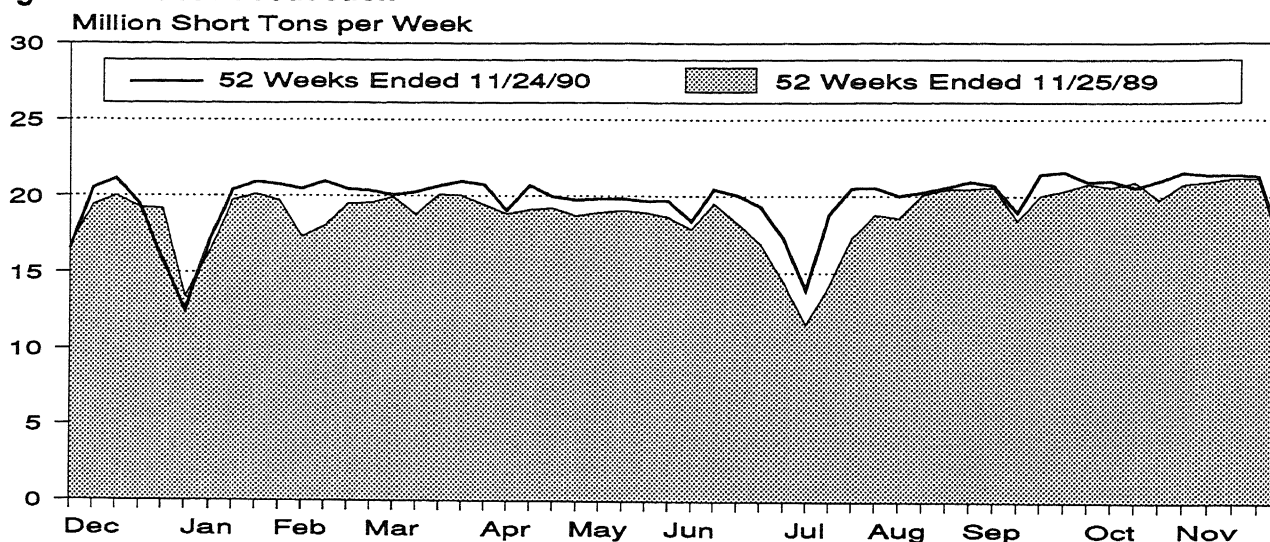


Table 1. Coal Production

	Week Ended			52 Weeks Ended		
Production and Carloadings	11/24/90	11/17/90	11/25/89	11/24/90	11/25/89	Percent Change
Production (Thousand Short Tons)						
Bituminous ¹ and Lignite	17,193	21,265	16,507	1,029,630	979,210	5.1
Pennsylvania Anthracite	49	96	43	3,329	3,360	-.9
U.S. Total	17,242	21,361	16,551	1,032,959	982,570	5.1
Railroad Cars Loaded	109,193	135,921	105,741	6,658,804	6,389,948	

¹Includes subbituminous coal.

Notes: 1990 data are preliminary. Totals may not equal sum of components due to independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.

Table 2. Coal Production by State
(Thousand Short Tons)

Region and State	Week Ended		
	11/24/90	11/17/90	11/25/89
Bituminous Coal¹ and Lignite			
East of the Mississippi	9,026	12,572	9,022
Alabama	443	545	453
Illinois	1,101	1,180	1,039
Indiana	623	975	563
Kentucky	2,297	3,160	2,444
Kentucky, Eastern	1,657	2,405	1,876
Kentucky, Western	640	756	568
Maryland	40	59	49
Ohio	471	744	493
Pennsylvania Bituminous	1,004	1,580	969
Tennessee	96	135	100
Virginia	668	944	564
West Virginia	2,284	3,251	2,348
West of the Mississippi	8,167	8,692	7,485
Alaska	25	31	35
Arizona	211	262	195
Arkansas	1	2	2
Colorado	314	426	365
Iowa	6	8	6
Kansas	20	25	20
Louisiana	41	83	45
Missouri	50	62	60
Montana	847	822	805
New Mexico	187	525	338
North Dakota	697	677	600
Oklahoma	33	38	33
Texas	964	1,192	868
Utah	374	482	407
Washington	87	107	85
Wyoming	4,309	3,950	3,622
Bituminous¹ and Lignite Total	17,193		
Pennsylvania Anthracite	49		
U.S. Total	17,242		

¹Includes subbituminous coal.

Notes: 1990 data are preliminary. Totals may not equal sum of components due to rounding.

Sources: Association of American Railroads, Transportation Administration, Form EIA-6, "Coal Distribution Report"; Form E coal production reports.

Table 3. Coal Exports and Imports, 1981-1990
(Thousand Short Tons and Dollars per Short Ton)

Year and Month	Exports						Imports	
	Metallurgical		Steam ¹		Total		Quantity	Average Price
	Quantity	Average Price ²	Quantity	Average Price ²	Quantity	Average Price ²		
1981	65,234	\$57.40	47,307	\$45.92	112,541	\$52.57	1,043	\$28.47
1982	64,585	61.07	41,692	49.11	106,277	56.37	742	30.40
1983	49,964	55.49	27,807	46.18	77,772	52.16	1,271	33.59
1984	56,975	52.41	24,508	46.77	81,483	50.72	1,286	35.37
1985	60,313	50.46	32,367	43.92	92,680	48.18	1,952	36.04
1986	54,977	47.81	30,541	42.60	85,518	45.95	2,212	36.02
1987	51,679	44.49	27,928	39.60	79,607	42.77	1,747	32.04
1988								
January	3,449	43.00	984	37.58	4,434	41.80	159	28.57
February	3,458	42.81	1,024	41.16	4,482	42.43	162	27.41
March	5,119	42.95	2,026	39.44	7,145	41.96	221	30.34
April	5,901	43.67	3,042	40.04	8,943	42.44	107	27.24
May	4,953	44.98	2,952	39.35	7,905	42.88	224	43.49
June	4,980	44.82	3,073	38.92	8,053	42.57	257	27.96
July	5,445	44.73	2,858	37.22	8,303	42.15	203	25.34
August	5,389	44.94	3,933	37.42	9,322	41.77	205	27.13
September	6,518	44.34	3,547	36.74	10,066	41.66	29	34.35
October	5,621	44.06	3,389	39.08	9,010	42.19	229	25.55
November	5,563	44.70	2,775	38.47	8,338	42.63	207	31.80
December	5,555	44.17	3,469	39.39	9,023	42.33	131	32.63
Total	61,950	44.17	33,073	38.59	95,023	42.23	2,134	29.96
1989								
January	4,488	43.92	1,818	36.29	6,306	41.72	66	36.14
February	5,298	44.32	1,450	37.14	6,748	42.78	131	31.89
March	6,163	44.17	2,212	36.98	8,375	42.27	334	33.86
April	6,061	44.08	3,042	38.46	9,104	42.20	158	31.46
May	6,303	45.40	3,381	37.40	9,685	42.61	312	32.19
June	5,598	45.82	4,059	38.14	9,657	42.59	218	39.04
July	3,881	45.77	2,328	37.95	6,209	42.84	375	36.65
August	4,925	46.09	3,197	37.30	8,122	42.63	247	33.85
September	5,754	45.94	3,907	37.31	9,661	42.45	303	33.64
October	5,922	45.50	3,371	37.97	9,293	42.77	160	33.20
November	6,026	45.81	3,743	38.05	9,768	42.84	245	31.54
December	4,710	45.65	3,179	37.66	7,888	42.43	303	35.09
Total	65,128	45.19	35,687	37.64	100,815	42.52	2,851	34.14
1990								
January	4,901	45.72	2,547	37.29	7,447	42.84	175	33.01
February	4,381	45.92	1,862	36.36	6,243	43.07	268	35.91
March	6,254	45.78	2,439	38.36	8,693	43.70	292	35.54
April	4,754	45.95	3,836	38.60	8,590	42.67	182	31.45
May	5,643	46.81	4,184	36.50	9,827	42.42	144	34.08
June	5,699	46.35	3,616	36.35	9,316	42.47	348	34.65
July	5,495	46.82	3,698	35.69	9,194	42.34	200	29.58
August	5,598	46.59	4,467	37.57	10,065	42.59	120	35.72
September	5,567	46.70	4,671	35.89	10,238	41.76	194	32.31
1990 Year to Date . . .	48,293	46.31	31,320	36.91	79,613	42.61	1,923	33.77
1989 Year to Date . . .	48,471	45.04	25,395	37.54	73,865	42.46	2,143	34.37

¹Includes bituminous, subbituminous, lignite, and anthracite.

²Average price of all coal exports in this category.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 4. Coal Exports, September 1990
(Short Tons)

Continent and Country of Destination	September 1990	August 1990	September 1989	Year to Date		Percent Change
				1990	1989	
North America Total	1,826,438	2,045,996	1,507,041	11,519,119	11,873,824	-3.0
Canada ¹	1,767,566	1,984,517	1,486,457	11,254,980	11,734,069	-4.1
Jamaica	-	-	16,717	34,127	36,571	-6.7
Mexico	38,027	61,255	3,456	165,200	55,445	198.0
Other ²	20,845	224	411	64,812	47,739	35.8
South America Total	733,475	438,758	521,360	5,095,604	5,464,990	-6.8
Argentina	175,405	-	93,895	501,882	574,764	-12.7
Brazil	521,991	404,550	323,010	4,244,871	4,220,513	.6
Chile	35,960	34,208	102,229	318,232	657,678	-51.6
Other ²	119	-	2,226	30,619	12,035	154.4
Europe Total	5,205,141	5,446,609	5,469,096	44,469,037	37,584,796	18.3
Albania	23,553	-	22,101	116,453	95,007	22.6
Belgium & Luxembourg	767,225	903,096	496,531	6,703,808	4,992,685	34.3
Bulgaria	-	-	-	87,955	-	-
Denmark	269,938	479,067	384,763	2,338,433	2,345,534	-.3
Finland	-	46,643	50,961	95,259	102,216	-6.8
France	390,778	649,835	639,586	5,702,340	4,757,178	19.9
Greece	-	136	67,184	579	142,557	-99.6
Ireland	156,622	70,388	76,680	1,088,942	775,796	40.4
Italy	816,272	1,030,786	809,238	8,684,317	8,608,400	.9
Netherlands	999,727	780,786	531,345	6,062,759	4,438,049	36.6
Norway	9,943	12,994	5,290	133,170	103,221	29.0
Portugal	154,111	229,170	193,418	1,362,113	956,888	42.3
Romania	206,716	-	272,960	1,521,691	845,803	79.9
Spain	231,374	398,568	277,178	2,784,561	2,491,540	11.8
Sweden	106,445	77,826	256,661	523,828	500,573	4.6
Turkey	290,534	77,214	283,161	1,833,567	1,180,005	55.4
United Kingdom	521,796	649,912	607,302	3,809,642	3,438,235	10.8
West Germany	183,342	22,594	262,905	896,764	664,349	35.0
Yugoslavia	76,765	17,594	231,832	689,352	1,098,067	-37.2
Other ²	-	-	-	33,504	48,693	-31.2
Asia Total	2,284,267	1,919,133	1,992,997	16,945,789	17,222,196	-1.6
China (Taiwan)	568,247	119,867	505,545	3,701,551	3,088,235	19.9
Israel	134,183	74,052	71,216	638,996	487,298	31.1
Japan	1,122,057	1,380,721	1,077,326	9,534,824	10,634,572	-10.3
Korea, Republic of	436,494	224,474	338,807	2,925,794	2,944,732	-.6
Pakistan	-	-	-	-	-	-
Other ²	23,286	120,019	-	-	-	-
Oceania & Australia Total	137	958	-	-	-	-
Africa Total	188,963	213,402	-	-	-	-
Algeria	60,555	46,290	-	-	-	-
Egypt	50,177	100,343	-	-	-	-
Other ²	78,231	66,769	-	-	-	-
Total	10,238,421	10,064,851	-	-	-	-

¹Percent change calculation not meaningful as value is greater than
²Based on the U.S.-Canada Free Trade Agreement, as of January 1,
U.S. exports to Canada based on information on imports provided monthly
for coal (metallurgical and steam) and the quantity for coke are no longer
³Includes countries with exports less than or equal to 50,000 short tons
Note: Total may not equal sum of components because of independent
Source: Bureau of the Census, U.S. Department of Commerce, "Monthly

Table 5. Average Price of Coal Exports, September 1990
(Dollars per Short Ton)

Continent and Country of Destination	September 1990	August 1990	September 1989	Year to Date		Percent Change
				1990	1989	
North America Total	\$31.66	\$32.88	\$43.11	\$33.00	\$42.21	-21.8
Canada ¹	31.55	32.85	43.27	32.93	42.27	-22.1
Jamaica	-	-	30.57	30.57	30.57	*
Mexico	33.76	33.81	41.44	36.37	42.08	-13.6
Other ²	36.36	34.88	34.97	36.44	35.78	1.8
South America Total	47.45	45.96	42.28	45.95	43.87	4.7
Argentina	47.86	-	44.47	45.54	44.58	2.1
Brazil	48.06	46.76	45.80	46.68	45.48	2.6
Chile	36.60	36.61	29.14	36.91	30.42	21.3
Other ²	34.35	-	34.64	35.86	39.61	-9.5
Europe Total	43.50	43.33	42.70	43.77	42.38	3.3
Albania	-	-	44.91	48.38	43.68	10.8
Belgium & Luxembourg	46.18	47.04	44.09	44.90	43.55	3.1
Bulgaria	-	-	-	49.24	-	-
Denmark	36.13	33.56	31.17	34.51	32.80	5.2
Finland	-	43.68	42.41	44.72	42.41	5.5
France	40.66	42.06	41.81	42.29	41.43	2.1
Greece	-	39.99	36.29	39.99	36.29	10.2
Ireland	40.96	36.29	44.99	38.60	38.62	-1.1
Italy	43.85	41.30	44.46	44.63	43.63	2.3
Netherlands	41.99	43.32	39.83	42.80	40.48	5.7
Norway	-	-	-	-	39.97	-
Portugal	40.35	41.51	43.36	41.05	40.53	1.3
Romania	45.75	-	47.98	47.74	45.86	4.1
Spain	45.77	47.90	46.34	46.50	45.85	1.4
Sweden	46.28	-	44.63	48.21	43.97	9.6
Turkey	45.78	43.09	43.98	45.86	43.30	5.9
United Kingdom	45.62	47.42	43.97	47.33	45.06	5.0
West Germany	42.45	33.79	42.23	40.77	42.34	-3.7
Yugoslavia	48.26	-	45.11	45.96	43.87	4.8
Other ²	-	-	-	39.97	42.88	-6.8
Asia Total	42.54	43.96	41.23	43.08	41.99	2.6
China (Taiwan)	36.59	39.36	39.48	38.15	37.03	3.0
Israel	42.51	37.51	39.92	39.42	39.17	.6
Japan	43.90	44.81	41.05	44.32	42.80	3.5
Korea, Republic of	47.33	46.04	44.68	46.34	44.75	3.5
Other ²	37.53	38.91	39.84	38.91	37.15	4.8
Oceania & Australia Total	40.85	34.98	-	36.07	-	-
Africa Total	41.36	29.94	34.77	38.51	39.91	-3.5
Algeria	48.22	-	-	46.91	45.64	2.8
Egypt	46.45	-	45.95	45.81	45.63	.4
Other ²	32.79	29.94	29.94	31.16	31.07	.3
Total	41.51	41.37	42.29	42.13	42.31	-.4
U.S. Total³	41.76	42.59	42.45	42.61	42.46	.4

*Rounded to zero.

¹Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

²Includes countries with exports less than or equal to 50,000 short tons in 1989.

³Average price of all coal exports in this category.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$50 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 6. Steam Coal Exports, September 1990
(Short Tons)

Continent and Country of Destination	September 1990	August 1990	September 1989	Year to Date		Percent Change
				1990	1989	
North America Total	1,431,529	1,231,651	778,217	8,058,597	7,057,628	14.2
Canada ¹	1,372,657	1,170,172	757,633	7,794,673	6,936,749	12.4
Jamaica	-	-	16,717	34,127	36,571	-6.7
Mexico	38,027	61,255	3,456	165,200	55,445	198.0
Other ²	20,845	224	411	64,597	28,863	123.8
South America Total	36,079	41,792	104,455	388,498	675,777	-42.5
Argentina	-	-	-	-	337	-
Brazil	-	7,584	-	94,281	5,727	NM
Chile	35,960	34,208	102,229	263,598	657,678	-59.9
Other ²	119	-	2,226	30,619	12,035	154.4
Europe Total	2,085,393	2,535,967	1,971,319	16,063,392	11,962,640	34.3
Belgium & Luxembourg	224,637	210,875	69,607	1,976,620	631,520	213.0
Bulgaria	-	-	-	39,065	-	-
Denmark	269,938	479,067	384,763	2,282,861	2,217,198	3.0
Finland	-	-	-	-	93	-
France	77,655	297,092	150,438	1,839,698	1,265,047	45.4
Greece	-	136	67,184	579	142,557	-99.6
Ireland	156,622	70,388	76,680	1,088,942	606,572	79.5
Italy	352,718	540,993	269,251	3,349,229	3,309,076	1.2
Netherlands	601,132	452,754	383,155	3,069,379	2,143,593	43.2
Norway	-	-	-	54,841	32,275	69.9
Portugal	154,111	190,646	126,576	1,104,467	685,815	61.0
Romania	-	-	-	-	3,293	-
Spain	69,336	43,751	18,162	228,060	126,168	80.8
Sweden	23,150	-	129,204	23,150	204,028	-88.7
Turkey	-	-	-	16,643	203	NM
United Kingdom	81,491	222,851	146,147	659,864	300,673	119.5
West Germany	74,603	22,594	150,152	306,299	226,218	35.4
Yugoslavia	-	4,820	-	12,995	32,670	-60.2
Other ²	-	-	-	10,700	35,641	-70.0
Asia Total	1,039,639	589,945	933,784	6,132,886	5,022,851	22.1
China (Taiwan)	568,247	119,867	431,547	3,380,181	2,567,285	31.7
Israel	79,395	74,052	71,216	584,208	338,481	72.6
Japan	315,060	200,133	355,701	1,490,039	1,654,717	-10.0
Korea, Republic of	76,388	75,874	75,217	556,571	455,460	22.2
Other ²	549	120,019	103	121,887	6,908	NM
Oceania & Australia Total	137	958	-	1,837	-	-
Africa Total	78,231	66,769	118,989	574,520	-	-
Egypt	-	-	-	-	-	-
Other ²	78,231	66,769	-	-	-	-
Total	4,671,008	4,467,082	3,906,764	31,319,740	25,394,735	23.3

^{NM}Percent change calculation not meaningful as value is greater than 500.

¹Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

²Includes countries with exports less than or equal to 50,000 short tons in 1989.

Note: Total may not equal sum of components because of independent rounding. Steam coal includes bituminous, subbituminous, lignite, and anthracite.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 7. Average Price of Steam Coal Exports, September 1990
(Dollars per Short Ton)

Continent and Country of Destination	September 1990	August 1990	September 1989	Year to Date		Percent Change
				1990	1989	
North America Total	\$29.71	\$29.82	\$39.08	\$30.85	\$39.48	-21.9
Canada ¹	29.49	29.57	39.29	30.68	39.53	-22.4
Jamaica	-	-	30.57	30.57	30.57	*
Mexico	33.76	33.81	41.44	36.37	42.08	-13.6
Other ²	36.36	34.88	34.97	36.40	35.39	2.8
South America Total	36.60	36.61	29.14	37.23	30.46	22.2
Argentina	-	-	-	-	34.99	-
Brazil	-	-	-	42.44	-	-
Chile	36.60	36.61	29.14	35.72	30.42	17.4
Other ²	34.35	-	34.64	35.86	39.61	-9.5
Europe Total	38.24	38.54	36.55	38.32	36.70	4.4
Belgium & Luxembourg	39.59	38.97	32.30	37.66	33.01	14.1
Bulgaria	-	-	-	48.99	-	-
Denmark	36.13	33.56	31.17	34.51	32.66	5.6
Finland	-	-	-	-	39.68	-
France	31.46	35.88	34.68	37.18	34.55	7.6
Greece	-	39.99	36.29	39.99	36.29	10.2
Ireland	40.96	36.29	44.99	38.60	39.32	-1.8
Italy	40.27	41.30	39.91	40.51	39.96	1.4
Netherlands	38.92	40.00	37.02	38.79	36.42	6.5
Norway	-	-	-	-	39.97	-
Portugal	40.35	40.08	41.08	39.95	39.36	1.5
Romania	-	-	-	-	38.78	-
Spain	34.50	34.47	31.75	34.37	33.82	1.6
Sweden	35.00	-	42.10	35.00	39.64	-11.7
Turkey	-	-	-	39.30	39.90	-1.5
United Kingdom	32.66	43.35	33.17	42.82	34.77	23.1
West Germany	32.29	33.79	37.99	34.63	35.67	-2.9
Yugoslavia	-	-	-	-	35.00	-
Other ²	-	-	-	39.97	42.88	-6.8
Asia Total	37.42	38.94	37.46	37.92	36.73	3.2
China (Taiwan)	36.59	39.36	38.52	37.29	35.37	5.4
Israel	41.73	37.51	39.92	39.02	38.84	.5
Japan	37.23	38.87	35.64	38.20	38.10	.2
Korea, Republic of	39.92	39.92	37.67	39.58	37.92	4.4
Other ²	37.53	38.91	39.84	38.91	37.15	4.8
Oceania & Australia Total	40.85	34.98	-	36.07	-	-
Africa Total	32.79	29.94	29.94	31.16	31.07	.3
Egypt	-	-	-	35.91	-	-
Other ²	32.79	29.94	29.94	31.16	31.07	.3
Total	35.43	36.33	36.82	36.24	37.17	-2.5
¹	35.89	37.57	37.31	36.91	37.54	-1.7

Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on steam coal exports based on information on imports provided monthly by the Canadian government. For this reason the quantity and value of steam coal exports less than or equal to 50,000 short tons in 1989.

* Equal sum of components because of independent rounding.

Average price is based on the free alongside ship (f.a.s.) prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$45 per short ton. Coal includes bituminous, subbituminous, lignite, and anthracite.

¹ Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 8. Metallurgical Coal Exports, September 1990
(Short Tons)

Continent and Country of Destination	September 1990	August 1990	September 1989	Year to Date		Percent Change
				1990	1989	
North America Total	394,909	814,345	728,824	3,460,522	4,816,196	-28.1
Canada ¹	394,909	814,345	728,824	3,460,307	4,797,320	-27.9
Other ²	-	-	-	215	18,876	-98.9
South America Total	697,396	396,966	416,905	4,707,106	4,789,213	-1.7
Argentina	175,405	-	93,895	501,882	574,427	-12.6
Brazil	521,991	396,966	323,010	4,150,590	4,214,786	-1.5
Chile	-	-	-	54,634	-	-
Europe Total	3,119,748	2,910,642	3,497,777	28,405,645	25,622,156	10.9
Albania	23,553	-	22,101	116,453	95,007	22.6
Belgium & Luxembourg	542,588	692,221	426,924	4,727,188	4,361,165	8.4
Bulgaria	-	-	-	48,890	-	-
Denmark	-	-	-	55,572	128,336	-56.7
Finland	-	46,643	50,961	95,259	102,123	-6.7
France	313,123	352,743	489,148	3,862,642	3,492,131	10.6
Ireland	-	-	-	-	169,224	-
Italy	463,554	489,793	539,987	5,335,088	5,299,324	.7
Netherlands	398,595	328,032	148,190	2,993,380	2,294,456	30.5
Norway	9,943	12,994	5,290	78,329	70,946	10.4
Portugal	-	38,524	66,842	257,646	271,073	-5.0
Romania	206,716	-	272,960	1,521,691	842,510	80.6
Spain	162,038	354,817	259,016	2,556,501	2,365,372	8.1
Sweden	83,295	77,826	127,457	500,678	296,545	68.8
Turkey	290,534	77,214	283,161	1,816,924	1,179,802	54.0
United Kingdom	440,305	427,061	461,155	3,149,778	3,137,562	.4
West Germany	108,739	-	112,753	590,465	438,131	34.8
Yugoslavia	76,765	12,774	231,832	676,357	1,065,397	-36.5
Other ²	-	-	-	22,804	13,052	74.7
Asia Total	1,244,628	1,329,188	1,059,213	10,812,903	12,199,345	-11.4
China (Taiwan)	-	-	73,998	321,370	520,950	-38.3
Israel	54,788	-	-	54,788	148,817	-63.2
Japan	806,997	1,180,588	721,625	8,044,785	8,979,855	-10.4
Korea, Republic of	360,106	148,600	263,590	2,369,223	2,489,272	-4.8
Pakistan	-	-	-	-	60,451	-
Other ²	22,737	-	-	22,737	-	-
Africa Total	110,732	146,633	51,494	906,992	907,165	-0.2
Algeria	60,555	46,290	-	-	-	-
Egypt	50,177	100,343	51,494	-	-	-
Other ²	-	-	-	-	-	-
Total	5,567,413	5,597,774				

¹Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

²Includes countries with exports less than or equal to 50,000 short tons in 1989.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 9. Average Price of Metallurgical Coal Exports, September 1990
(Dollars per Short Ton)

Continent and Country of Destination	September 1990	August 1990	September 1989	Year to Date		Percent Change
				1990	1989	
North America Total	\$38.28	\$36.76	\$46.85	\$37.64	\$46.02	-18.2
Canada ¹	38.28	36.76	46.85	37.64	46.06	-18.3
Other ²	-	-	-	49.93	36.38	37.3
South America Total	48.01	46.76	45.50	46.64	45.38	2.8
Argentina	47.86	-	44.47	45.54	44.59	2.1
Brazil	48.06	46.76	45.80	46.76	45.48	2.8
Chile	-	-	-	48.84	-	-
Europe Total	47.01	48.62	46.18	47.06	45.00	4.6
Albania	-	-	44.91	48.38	43.68	10.8
Belgium & Luxembourg	48.91	49.59	46.01	47.97	44.90	6.8
Bulgaria	-	-	-	49.44	-	-
Denmark	-	-	-	-	34.97	-
Finland	-	43.68	42.41	44.72	42.41	5.4
France	42.94	47.27	44.01	44.72	43.93	1.8
Ireland	-	-	-	-	36.20	-
Italy	46.57	-	46.73	47.47	45.92	3.4
Netherlands	46.63	47.90	47.09	46.91	44.27	6.0
Portugal	-	48.63	47.67	45.79	43.50	5.2
Romania	45.75	-	47.98	47.74	45.88	4.1
Spain	49.75	49.56	47.37	48.06	46.39	3.6
Sweden	49.41	-	47.20	48.94	46.95	4.2
Turkey	45.78	43.09	43.98	45.90	43.30	6.0
United Kingdom	47.51	49.55	47.40	48.25	46.05	4.8
West Germany	49.41	-	47.88	45.02	45.78	-1.7
Yugoslavia	48.26	-	45.11	45.96	43.88	4.7
Asia Total	47.08	46.19	44.55	46.04	44.16	4.3
China (Taiwan)	-	-	45.08	47.19	45.25	4.3
Israel	43.64	-	-	43.64	39.92	9.3
Japan	46.50	45.82	43.72	45.45	43.66	4.1
Korea, Republic of	48.90	49.17	46.68	47.95	46.01	4.2
Africa Total	47.42	-	45.95	46.16	45.63	1.2
Algeria	48.22	-	-	46.91	45.64	2.8
Egypt	46.45	-	45.95	45.82	45.63	.4
Total	46.54	45.80	45.91	46.06	44.94	2.5
U.S. Total³	46.70	46.59	45.94	46.31	45.04	2.8

¹Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

²Includes countries with exports less than or equal to 50,000 short tons in 1989.

³Average price of all metallurgical coal exports.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$50 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 10. Coal Exports by Customs District, September 1990
(Short Tons)

Customs District	September 1990	August 1990	September 1989	Year to Date		Percent Change
				1990	1989	
Eastern Total	6,191,103	5,711,599	5,712,083	49,335,694	45,019,639	9.6
Boston, MA	54,033	-	-	54,033	-	-
Baltimore, MD	764,018	230,445	988,336	6,209,091	6,869,077	-9.6
Portland, ME	-	-	-	782	159	391.8
Buffalo, NY	86,214	1,740	909	133,325	31,608	321.8
New York City, NY	252	562	103	5,553	1,574	252.8
Ogdensburg, NY	27,558	1,966	498	38,810	7,839	395.1
Philadelphia, PA	371,483	426,714	310,838	2,461,563	1,732,615	42.1
Norfolk, VA	4,887,545	5,050,172	4,411,399	40,432,537	36,376,767	11.1
Southern Total	2,126,737	1,829,208	2,098,608	17,209,641	14,981,680	14.9
Mobile, AL	478,578	417,446	864,738	5,956,612	6,467,663	-7.9
Savannah, GA	-	-	-	-	725	-
Miami, FL	233	224	-	935	1,957	-52.2
Tampa, FL	-	-	-	18,099	-	-
New Orleans, LA	1,486,628	1,268,693	1,164,992	10,085,740	7,951,434	26.8
Wilmington, NC	-	-	-	-	70,417	-
Charleston, SC	105,469	52,635	64,927	873,129	417,291	109.2
Houston-Galveston, TX	17,802	29,072	1,301	115,715	32,553	255.5
Laredo, TX	38,027	61,138	2,650	159,411	39,640	302.1
Western Total	415,456	395,682	337,486	2,135,133	2,230,065	-4.3
Anchorage, AK	76,388	75,874	75,217	556,571	443,130	25.6
Nogales, AZ	-	-	-	2,673	-	-
Los Angeles, CA	306,243	294,436	248,253	1,391,843	1,620,661	-14.1
San Diego, CA	-	117	806	3,116	4,344	-28.3
San Francisco, CA	-	-	-	99,336	33,333	198.0
Great Falls, MT	-	131	-	131	98	33.7
Portland, OR	-	-	-	3,989	576	NM
Seattle, WA	32,825	25,124	13,210	77,474	127,923	-39.4
Northern Total	1,503,550	2,126,357	1,512,800	10,911,452	11,634,063	-6.2
Chicago, IL	15,734	7,584	-	32,000	-	-
Detroit, MI	310,218	133,714	4,612	3,373,667	31,190	NM
Duluth, MN	33,627	262,651	31,836	326,129	92,907	251.0
Pembina, ND	-	-	195	87	14,735	-99.4
Cleveland, OH	1,113,678	1,722,408	1,476,157	7,083,184	11,495,231	-38.4
Milwaukee, WI	30,293	-	-	96,385	-	-
Total	10,238,421	10,064,856	9,660,977	79,612,908	73,861	

^{NM}Percent change calculation not meaningful as value is greater than 500.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EN

Table 11. Coke Exports, September 1990
(Short Tons)

Continent and Country of Destination	September 1990	August 1990	September 1989	Year to Date		Percent Change
				1990	1989	
North America Total	50,469	57,973	55,325	319,033	421,181	-24.3
Canada ¹	44,855	51,224	49,702	240,041	304,474	-21.2
Mexico	5,594	6,749	5,577	77,964	115,868	-32.7
Other ²	20	-	46	1,028	839	22.5
South America Total	10,427	-	-	56,758	76,013	-25.3
Venezuela	10,427	-	-	44,782	53,701	-16.6
Other ²	-	-	-	11,976	22,312	-46.3
Europe Total	5,830	-	-	39,495	72,390	-45.4
Asia Total	31	-	-	31	95,968	-100.0
Japan	31	-	-	31	71,756	-100.0
Other ²	-	-	-	-	24,212	-
Total	66,757	57,973	55,325	415,317	665,552	-37.6

¹Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

²Includes countries with exports less than or equal to 50,000 short tons in 1989.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 12. Coal Imports, September 1990
(Short Tons)

Continent and Country of Origin	September 1990	August 1990	September 1989	Year to Date		Percent Change
				1990	1989	
North America Total	74,724	24,854	87,019	704,570	830,942	-15.2
Canada	74,724	24,854	80,588	698,366	783,517	-10.9
Mexico	-	-	6,431	6,204	47,425	-86.9
South America Total	95,722	94,996	215,315	1,189,411	1,253,068	-5.1
Colombia	95,722	94,996	139,795	1,005,042	1,025,331	-2.0
Venezuela	-	-	75,520	184,369	227,737	-19.0
Other¹ Total	130	-	331	5,391	11,529	-53.2
Indonesia	130	-	-	130	-	-
Philippines	-	-	-	-	11,198	-
Thailand	-	-	-	46	-	-
U.S. Possessions	-	-	-	5,215	-	-
Other ¹	-	-	331	-	331	-
Europe Total	-	-	-	-	47,745	-
United Kingdom	-	-	-	-	47,694	-
Other ¹	-	-	-	-	51	-
Australia Total	23,794	-	-	23,794	-	-
Other ¹	23,794	-	-	23,794	-	-
Total	194,370	119,850	302,665	1,923,166	2,143,284	-10.3

¹May not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

Table 13. Average Price of Coal Imports, September 1990
(Dollars per Short Ton)

Continent and Country of Origin	September 1990	August 1990	September 1989	Year to Date		Percent Change
				1990	1989	
North America Total	\$23.26	\$21.46	\$25.67	\$24.46	\$26.52	-7.8
Canada	23.26	21.46	25.05	24.30	26.27	-7.5
Mexico	-	-	33.31	38.36	30.15	27.2
South America Total	36.73	37.53	36.35	37.85	34.79	8.8
Colombia	36.73	37.53	37.51	37.29	35.11	6.2
Venezuela	-	-	34.19	40.89	33.32	22.7
Europe Total	36.35	-	-	37.17	44.34	-16.2
Denmark	36.35	-	-	36.35	-	-
Netherlands	-	-	-	-	44.34	-
United Kingdom	-	-	-	37.19	-	-
Oceania & Australia Total	41.73	-	-	41.73	-	-
Australia	41.73	-	-	41.73	-	-
Total	32.20	34.63	33.34	33.68	31.82	5.9
U.S. Total¹	32.31	35.72	33.64	33.77	34.37	-1.7

¹Average price of all coal imports.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal imports and fall within the range of \$20 to \$50 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

Table 14. Coal Imports by Customs District, September 1990
(Short Tons)

Customs District	September 1990	August 1990	September 1989	Year to Date		Percent Change
				1990	1989	
Eastern Total	130	-	47,275	249,820	399,614	-37.5
Boston, MA	130	-	-	99,853	-	-
Baltimore, MD	-	-	331	-	258,605	-
Portland, ME	-	-	-	115,011	-	-
Buffalo, NY	-	-	-	69	26,849	-99.7
Ogdensburg, NY	-	-	84	45	138	-67.4
Philadelphia, PA	-	-	46,860	34,842	114,022	-69.4
Southern Total	95,722	94,996	174,886	984,925	974,159	1.1
Tampa, FL	95,722	35,802	139,795	742,311	648,594	14.4
New Orleans, LA	-	-	28,660	-	28,660	-
Wilmington, NC	-	-	-	46	-	-
San Juan, PR	-	34,943	-	176,072	233,854	-24.7
Houston-Galveston, TX	-	-	-	5,215	15,645	-66.7
Laredo, TX	-	-	6,431	6,204	47,406	-86.9
Virgin Islands	-	24,251	-	55,077	-	-
Western Total	28,883	4,001	579	89,034	122,966	-27.6
San Diego, CA	-	-	-	-	19	-
San Francisco, CA	-	-	-	-	47,745	-
Honolulu, HI	23,794	-	-	23,794	-	-
Great Falls, MT	389	4,001	579	34,573	67,436	-48.7
Seattle, WA	4,700	-	-	30,667	7,766	294.9
Northern Total	69,635	20,853	79,925	599,387	646,545	-7.3
Chicago, IL	30,038	-	58,989	207,975	356,873	-41.7
Duluth, MN	-	-	-	-	431	-
Pembina, ND	39,597	20,853	20,936	391,412	272,627	43.6
Cleveland, OH	-	-	-	-	16,614	-
Total	194,370	119,850	302,665	1,923,166	2,143,284	-10.3

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

Table 15. Coke Imports, September 1990
(Short Tons)

Continent and Country of Origin	September 1990	August 1990	September 1989	Year to Date		Percent Change
				1990	1989	
North America Total	15,185	26,753	3,354	122,423	199,265	-38.6
Canada	15,185	26,753	3,354	100,636	198,788	-49.4
Mexico	-	-	-	21,787	477	NM
Europe Total	-	-	35,013	39,572	783,785	-95.0
Belgium & Luxembourg	-	-	-	-	98,283	-
France	-	-	-	-	36,872	-
Italy	-	-	-	39,572	-	-
Netherlands	-	-	-	-	17,244	-
Poland	-	-	15,712	-	103,473	-
United Kingdom	-	-	-	-	56,201	-
West Germany	-	-	19,301	-	423,865	-
Yugoslavia	-	-	-	-	47,847	-
Asia Total	43,545	-	79,769	249,703	715,238	-65.1
China (Peking)	-	-	-	-	67,054	-
Japan	43,545	-	79,769	249,703	648,184	-61.5
Oceania & Australia Total	47,533	-	-	182,008	463,851	-60.8
Australia	47,533	-	-	182,008	463,851	-60.8
Total	106,263	26,753	118,136	593,706	2,162,139	-72.5

^{NM}Percent change calculation not meaningful as value is greater than 500.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

This publication is available from the Superintendent of Documents, U.S. Government Printing Office (GPO). Information about purchasing this or other Energy Information Administration (EIA) publications may be obtained from the GPO or the EIA's National Energy Information Center (NEIC). Questions on energy statistics should be directed to the NEIC by mail, telephone or telecommunications device for the deaf (TDD). Addresses, telephone numbers, and hours appear below.

National Energy Information Center, EI-231
Energy Information Administration
Forrestal Building, Room 1F-048
Washington, DC 20585
(202) 586-8800
Telecommunications Device for the
Deaf only: (202) 586-1181
Hours: 8 a.m. - 5 p.m., M-F, Eastern Time

Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402
(202) 783-3238

This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the Department of Energy. The information contained herein should not be construed as advocating or reflecting any policy of the Department of Energy or any other organization.
